



HemiStar HS44 Lens



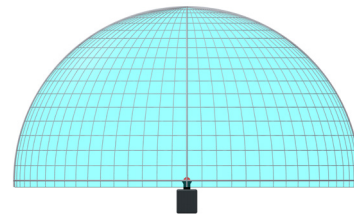
Projection Angle Chart for Dome Lens															
Projection Panels		Resolution			Panel Size (mm)			Projected Pixels			Projection Angles		Shift		
		Horizontal	Vertical	Pixel Pitch	Horizontal	Vertical	Diagonal	Horizontal	Vertical	Mpixels	Horizontal	Vertical	Horizontal	Vertical	V Angle
Original	1.06" 3LCD WUXGA	1920	1200	12 µm	23.040	14.400	27.170	1167	1167	1.36	194.2°	194.2°	0%	0%	0.5°
	0.94" SXGA+	1400	1050	13.68 µm	19.152	14.364	23.940	1023	1023	1.05	194.2°	194.2°	0%	0%	0.5°
	0.96" WUXGA	1920	1200	10.8 µm	20.736	12.960	24.453	1296	1200	1.56	194.2°	178.5°	0%	4%	8.4°
	0.94" HD1080	1920	1080	10.8 µm	20.736	11.664	23.791	1296	1080	1.40	194.2°	159.2°	0%	10%	10.8°
	0.90" WQXGA	2560	1600	7.56 µm	19.354	12.096	22.823	1852	1600	2.96	194.2°	165.6°	0%	8%	14.8°
	0.76" 3LCD WUXGA	1920	1200	8.5 µm	16.320	10.200	19.245	1647	1200	1.98	194.2°	137.9°	0%	19%	28.7°

HS44 Model Numbers

Model	Projector Brand
I-29756	Epson

Note: Part numbers vary depending on projector manufacturer and model. Call for a Quote.

Active Image on Screen



Lens Specifications

Focal Length:	4.44 mm
Image Circle:	14 mm
Max Half-Angle:	97.5°
F/#:	F/2.5
Focus Range:	1 m - ∞
Transmittance:	80%
MTF Center:	74% 42 lp/mm
MTF Edge:	25% 42 lp/mm
Lateral Color R-G:	3.9 µm
Lateral Color B-G:	2.6 µm
F-Theta Distortion:	-5% Max
Max Lumens:	15
Back Focus:	Suitable for small format single-chip DLP & 3LCD

Line Drawing

